

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
301 NORTH RANDOLPH STREET
CHAMPAIGN, ILLINOIS 61820

CLASSIFICATION AND CORRELATION
OF THE SOILS OF
JO DAVIESS COUNTY, ILLINOIS
JANUARY 1990

This correlation was prepared by John C. Doll, assistant state soil scientist, in November 1989. It was started during the comprehensive review held October, 1987 and the final review held September, 1988. Robert I. Turner, soil scientist, national soil classification staff, national soil survey center, participated in the comprehensive review. Decisions were made based on pedon data, soil correlation samples, soil maps, field review reports, and a draft of the manuscript.

Headnote for Detailed Soil Survey Legend:

Map symbols consist of numbers, or a combination of numbers and letters. The initial numbers represent the kind of soil. A capital letter following those numbers indicates the class of slope. Symbols without a slope letter are for nearly level soils. A final number of 2 following the slope letter indicates that the soil is moderately eroded, and 3 indicates that it is severely eroded.

SOIL CORRELATION OF
JO DAVIESS COUNTY, ILLINOIS

| Field symbols | Field map unit name | Publication symbol | Approved map unit name |
|---|--|--------------------|--|
| 27D2, 21D2, 119D2, 194D2, 194E2, 259D2, 419D2, 8D2 | Miami silt loam, 10 to 15 percent slopes, eroded | 27D2 | Miami silt loam, 10 to 15 percent slopes, eroded |
| 29C2, 29B | Dubuque silt loam, 4 to 10 percent slopes, eroded | 29C2 | Dubuque silt loam, 4 to 10 percent slopes, eroded |
| 29D2, 29D, 40D2 | Dubuque silt loam, 10 to 15 percent slopes, eroded | 29D2 | Dubuque silt loam, 10 to 15 percent slopes, eroded |
| 36B, 36A, 36B2, 171B2, 199B | Tama silt loam, 1 to 5 percent slopes | 36B | Tama silt loam, 2 to 5 percent slopes |
| 36C | Tama silt loam, 5 to 10 percent slopes | 36C | Tama silt loam, 5 to 10 percent slopes |
| 41B, 41A | Muscataine silt loam, 1 to 3 percent slopes | 41B | Muscataine silt loam, 1 to 3 percent slopes |
| 53D, 768D, 779D | Bloomfield loamy fine sand, 7 to 15 percent slopes | 53D | Bloomfield loamy fine sand, 7 to 15 percent slopes |
| 61B, 61A, 104 | Atterberry silt loam, 1 to 3 percent slopes | 61B | Atterberry silt loam, 1 to 3 percent slopes |
| 68, 45, 125, 272 | Sable silty clay loam | 68 | Sable silty clay loam |
| 87A | Dickinson fine sandy loam, 0 to 3 percent slopes | 87A | Dickinson fine sandy loam, 0 to 3 percent slopes |
| 88B, 87B, 779B | Sparta loamy sand, 2 to 7 percent slopes | 88B | Sparta loamy sand, 1 to 7 percent slopes |
| 88D | Sparta loamy sand, 7 to 15 percent slopes | 88D | Sparta loamy sand, 7 to 15 percent slopes |

JO DAVIESS COUNTY, ILLINOIS --Continued

| Field symbols | Field map unit name | Publication symbol | Approved map unit name |
|--|--|--------------------|---|
| 119C2, 27C2, 194C2, 233C2, 259C2, 171C2 | Elco silt loam, 5 to 10 percent slopes, eroded | 119C2 | Elco silt loam, 5 to 10 percent slopes, eroded |
| 172, 102, 571B, 647 | Hoopeston loam | 172 | Hoopeston loam |
| 175B, 131B, 175A, 779B | Lamont very fine sandy loam, 1 to 7 percent slopes | 175B | Lamont fine sandy loam, 1 to 7 percent slopes |
| 175D2, 175C, 175D, 565D2, 5700, 570D2, 726D | Lamont loam, 7 to 15 percent slopes, eroded | 175D2 | Lamont fine sandy loam, 7 to 15 percent slopes, eroded |
| 261, 234, 261B, 262, 568 | Niota silt loam | 261 | Niota silt loam |
| 274B2, 75A, 75B, 268B, 274B | Seaton silt loam, 2 to 5 percent slopes | 274B2 | Seaton silt loam, 2 to 5 percent slopes, eroded |
| 274C2, 274C, 943C2 | Seaton silt loam, 5 to 10 percent slopes, eroded | 274C2 | Seaton silt loam, 5 to 10 percent slopes, eroded |
| 274D2, 274D, 943D2, 962D2 | Seaton silt loam, 10 to 15 percent slopes, eroded | 274D2 | Seaton silt loam, 10 to 15 percent slopes, eroded |
| 274E2, 175E, 175E2, 274F2, 570E, 570E2, 570F, 943E2, 962E2, 274E | Seaton silt loam, 15 to 25 percent slopes, eroded | 274E2 | Seaton silt loam, 15 to 25 percent slopes, eroded |
| 274F, 131F, 134F, 134G, 175F, 175G, 274G, 570G, 943F, 962F | Seaton silt loam, 25 to 45 percent slopes | 274F | Seaton silt loam, 25 to 45 percent slopes |

JO DAVIESS COUNTY, ILLINOIS --Continued

| Field symbols | Field map unit name | Publication symbol | Approved map unit name |
|---|--|--------------------|--|
| 278B, 278, 278A | Stronghurst silt loam, 1 to 3 percent slopes | 278B | Stronghurst silt loam, 1 to 3 percent slopes |
| 279B, 233B, 279A | Rozetta silt loam, 1 to 5 percent slopes | 279B | Rozetta silt loam, 2 to 5 percent slopes |
| 279C2, 278C, 279C | Rozetta silt loam, 5 to 10 percent slopes, eroded | 279C2 | Rozetta silt loam, 5 to 10 percent slopes, eroded |
| 279D2, 233D2, 386D2 | Rozetta silt loam, 10 to 15 percent slopes, eroded | 279D2 | Rozetta silt loam, 10 to 15 percent slopes, eroded |
| 280B2, 280B | Fayette silt loam, 2 to 5 percent slopes | 280B2 | Fayette silt loam, 2 to 5 percent slopes, eroded |
| 280C2, 280C | Fayette silt loam, 5 to 10 percent slopes, eroded | 280C2 | Fayette silt loam, 5 to 10 percent slopes, eroded |
| 280D2, 280D, 386D2, 962D2 | Fayette silt loam, 10 to 15 percent slopes, eroded | 280D2 | Fayette silt loam, 10 to 15 percent slopes, eroded |
| 280E2, 105E2, 279E2, 280E, 962E2, 280F2 | Fayette silt loam, 15 to 25 percent slopes, eroded | 280E2 | Fayette silt loam, 15 to 25 percent slopes, eroded |
| 280F, 243F, 429G, 429F, 280G | Fayette silt loam, 25 to 40 percent slopes | 280F | Fayette silt loam, 25 to 40 percent slopes |
| 386B, 105A, 105B, 386A | Downs silt loam, 1 to 5 percent slopes | 386B | Downs silt loam, 2 to 5 percent slopes |
| 386C2, 36C2, 105C2 | Downs silt loam, 5 to 10 percent slopes, eroded | 386C2 | Downs silt loam, 5 to 10 percent slopes, eroded |
| 403D, 504D | Elizabeth silt loam, 7 to 15 percent slopes | 403D | Elizabeth silt loam, 7 to 15 percent slopes |

JO DAVIESS COUNTY, ILLINOIS --Continued

| Field symbols | Field map unit name | Publication symbol | Approved map unit name |
|---------------------------|---|--------------------|---|
| 417B | Derinda silt loam, 2 to 5 percent slopes | 417B | Derinda silt loam, 2 to 5 percent slopes |
| 417C2 | Derinda silt loam, 5 to 10 percent slopes, eroded | 417C2 | Derinda silt loam, 5 to 10 percent slopes, eroded |
| 417D2 | Derinda silt loam, 10 to 15 percent slopes, eroded | 417D2 | Derinda silt loam, 10 to 15 percent slopes, eroded |
| 417E2, 417E, 418E2, 417F2 | Derinda silt loam, 15 to 25 percent slopes, eroded | 417E2 | Derinda silt loam, 15 to 25 percent slopes, eroded |
| 417F, 417G | Derinda silt loam, 25 to 45 percent slopes | 417F | Derinda silt loam, 25 to 45 percent slopes |
| 418B | Schapville silt loam, 2 to 5 percent slopes | 418B | Schapville silt loam, 2 to 5 percent slopes |
| 418C2 | Schapville silt loam, 5 to 10 percent slopes, eroded | 418C2 | Schapville silt loam, 5 to 10 percent slopes, eroded |
| 418D2 | Schapville silt loam, 10 to 15 percent slopes, eroded | 418D2 | Schapville silt loam, 10 to 15 percent slopes, eroded |
| 419B2, 419B | Flagg silt loam, 2 to 5 percent slopes | 419B2 | Flagg silt loam, 2 to 5 percent slopes, eroded |
| 419C2, 194C2, 212C | Flagg silt loam, 5 to 10 percent slopes, eroded | 419C2 | Flagg silt loam, 5 to 10 percent slopes, eroded |
| 429B2, 29B, 429B | Palsgrove silt loam, 2 to 5 percent slopes | 429B2 | Palsgrove silt loam, 2 to 5 percent slopes, eroded |
| 429C2 | Palsgrove silt loam, 5 to 10 percent slopes, eroded | 429C2 | Palsgrove silt loam, 5 to 10 percent slopes, eroded |

JO DAVIESS COUNTY, ILLINOIS --Continued

| Field symbols | Field map unit name | Publication symbol | Approved map unit name |
|--|---|--------------------|---|
| 429D2, 429D | Palsgrove silt loam, 10 to 15 percent slopes, eroded | 429D2 | Palsgrove silt loam, 10 to 15 percent slopes, eroded |
| 429E2, 429E, 429F2 | Palsgrove silt loam, 15 to 25 percent slopes, eroded | 429E2 | Palsgrove silt loam, 15 to 25 percent slopes, eroded |
| 536 | Dumps, mine | 536 | Dumps, mine |
| 540C2, 40B, 40C2 | Frankville silt loam, 4 to 10 percent slopes, eroded | 540C2 | Frankville silt loam, 4 to 10 percent slopes, eroded |
| 547C2 | Eleroy silt loam, 5 to 10 percent slopes, eroded | 547C2 | Eleroy silt loam, 5 to 10 percent slopes, eroded |
| 547D2, 755D2, 6279D, 6280D | Eleroy silt loam, 10 to 15 percent slopes, eroded | 547D2 | Eleroy silt loam, 10 to 15 percent slopes, eroded |
| 547E2, 547E, 547F2 | Eleroy silt loam, 15 to 25 percent slopes, eroded | 547E2 | Eleroy silt loam, 15 to 25 percent slopes, eroded |
| 565B, 134A, 134B, 148B, 243B, 565A, 570A, 570B, 726B | Tell silt loam, 2 to 5 percent slopes | 565B | Tell silt loam, 2 to 5 percent slopes |
| 565C2, 134C2, 134D2, 726C, 570C2, 565C | Tell silt loam, 5 to 10 percent slopes, eroded | 565C2 | Tell silt loam, 5 to 10 percent slopes, eroded |
| 569C2, 576B, 576C, 576D2, 576C2 | Zwingle silt loam, 3 to 12 percent slope, eroded | 569C2 | Medary silty clay loam, 3 to 12 percent slope, eroded |
| 569F2, 576E, 576F | Medary silty clay loam, 15 to 45 percent slopes, eroded | 569F2 | Medary silty clay loam, 15 to 45 percent slopes, eroded |

JO DAVIESS COUNTY, ILLINOIS --Continued

| Field symbols | Field map unit name | Publication symbol | Approved map unit name |
|--|---|--------------------|---|
| 572B, 572A, 572C2, 743B, 743C2 | Loran silty clay loam, 3 to 7 percent slopes | 572B | Loran silty clay loam, 3 to 7 percent slopes |
| 576, 576A | Zwingle silt loam, 0 to 3 percent slopes | 576 | Zwingle silt loam |
| 681E, PC-D2, PC-E2 | Dubuque silt loam, pitted, 12 to 25 percent slopes | 681E | Dubuque-Orthents-Fayette complex, 12 to 25 percent slopes, pitted |
| 731B, 411B | Nasset silt loam, 2 to 5 percent slopes | 731B | Nasset silt loam, 2 to 5 percent slopes |
| 731C2, 411C2 | Nasset silt loam, 5 to 10 percent slopes, eroded | 731C2 | Nasset silt loam, 5 to 10 percent slopes, eroded |
| 731D2, 411D2 | Nasset silt loam, 10 to 15 percent slopes, eroded | 731D2 | Nasset silt loam, 10 to 15 percent slopes, eroded |
| 743B, 6547B, 547B | Eleroy Variant silt loam, 2 to 5 percent slopes | 732B | Appleriver silt loam, 2 to 5 percent slopes |
| 745B, 744, 744C, 745A, 745C, 746 | Shullsburg silt loam, 3 to 7 percent slopes | 745B | Shullsburg silt loam, 3 to 7 percent slopes |
| 753B, 546B, 753A | Massbach silt loam, 2 to 5 percent slopes | 753B | Massbach silt loam, 2 to 5 percent slopes |
| 753C2, 546C, 546C2 | Massbach silt loam, 5 to 10 percent slopes, eroded | 753C2 | Massbach silt loam, 5 to 10 percent slopes, eroded |
| 753D2, 546D2 | Massbach silt loam, 10 to 15 percent slopes, eroded | 753D2 | Massbach silt loam, 10 to 15 percent slopes, eroded |
| 755F2, 754F, 754G, 755E2, 907F, 6280E, 907E2 | Lamoille silt loam, 15 to 30 percent slopes, eroded | 755F2 | Lamoille silt loam, 15 to 30 percent slopes, eroded |

JO DAVIESS COUNTY, ILLINOIS --Continued

| Field symbols | Field map unit name | Publication symbol | Approved map unit name |
|--|--|--------------------|--|
| 779F, 779E, 779G | Chelsea loamy fine sand, 20 to 45 percent slopes | 779F | Chelsea loamy fine sand, 20 to 45 percent slopes |
| 785F, 504E | Lacrescent silt loam, 15 to 30 percent slopes | 785F | Lacrescent silt loam, 15 to 30 percent slopes |
| 785G, 29F, 29G, 504G | Lacrescent silty clay loam, 30 to 50 percent slopes | 785G | Lacrescent silty clay loam, 30 to 50 percent slopes |
| 800 | Psammments, nearly level | 800 | Psammments, nearly level |
| 801B | Orthents silty, undulating | 801B | Orthents silty, undulating |
| 864, 865 | Pits, quarries | 864 | Pits, quarries |
| 873D2, 505C2, 505D2 | Dunbarton-Dubuque silt loams, 7 to 15 percent slopes, eroded | 873D2 | Dunbarton-Dubuque silt loams, 7 to 15 percent slopes, eroded |
| 873E2, 29E, 29E2, 505E2, 973E, 873F2 | Dunbarton-Dubuque silt loams, 15 to 25 percent slopes, eroded | 873E2 | Dunbarton-Dubuque silt loams, 15 to 25 percent slopes, eroded |
| 905F, 6973E, 6973F, 905E | NewGlarus-Lamoille silt loams, 15 to 35 percent slopes, | 905F | NewGlarus-Lamoille silt loams, 15 to 35 percent slopes, |
| 928D2 | NewGlarus-Palsgrove silt loams, 7 to 15 percent slopes, eroded | 928D2 | NewGlarus-Palsgrove silt loams, 7 to 15 percent slopes, eroded |
| 1334, V334, 334 | Birds silt loam, wet | 1334 | Birds silt loam, wet |
| 3077, 77 | Huntsville silt loam | 3077 | Huntsville silt loam, frequently flooded |

JO DAVIESS COUNTY, ILLINOIS --Continued

| Field symbols | Field map unit name | Publication symbol | Approved map unit name |
|--|---|--------------------|---|
| 3333, 6333, 333 | Wakeland silt loam | /3333 | Wakeland silt loam, frequently flooded |
| 3451, 74, 81, 76, 451 | Lawson silt loam | /3451 | Lawson silt loam, frequently flooded |
| 3579, 578, 579 | Beavercreek silt loam | /3579 | Beavercreek silt loam, frequently flooded |
| 7430B, 37, 37A, 37B, 105A, 105B, 199B, 268B, 430, 430A, 440A, 440B, 430B | Raddle silt loam, 1 to 4 percent slopes | /7430B | Raddle silt loam, 1 to 4 percent slopes, rarely flooded |
| 8070, 70+, 107, 107+, 103, 210, 70 | Beaucoup silty clay loam | -8070 | Beaucoup silty clay loam, occasionally flooded |
| 8239, 33109, 239 | Dorchester silt loam | 8239 | Dorchester silt loam, occasionally flooded |
| 8284, 284 | Tice silt loam | 8284 | Tice silt loam, occasionally flooded |
| 8366, V49, V88, 366 | Algansee fine sandy loam | 8366 | Algansee fine sandy loam, occasionally flooded |
| 8415, 415 | Orion silt loam | 8415 | Orion silt loam, occasionally flooded |
| W | Water | W | Water |

Series Established by this Correlation:
Elizabeth and Appleriver

Series Dropped or Made Inactive:
None

Series Type Location in the Survey Area:
Elizabeth and Appleriver

Certification Statement:

The state soil scientist certifies that:

1. Soil mapping was completed in 1987.
2. Jo Daviess County joins the published soil surveys of Carroll and Stephenson Counties, Illinois and Grant and Lafayette Counties, Wisconsin. The joins with Grant and Lafayette Counties, Wisconsin have been coordinated with Wisconsin. The joining has been checked for both the general soil maps and the detailed soil maps. The join is satisfactory and the detailed explanation of differences in map symbols and the names of map units are on file in the state office in Champaign, Illinois.
3. Interpretations have been coordinated with adjoining survey areas. The manuscript agrees with the soil interpretations records except as noted in this Correlation Memorandum.
4. The location of all typical pedons is correct and are within soil delineations using that name. The locations have been checked and verified by the survey leader.
5. All publication symbols will be those shown as approved in the conversion legend of the Correlation Memorandum.
6. All typifying pedons used for classification are accurately classified according to Soil Taxonomy.
7. Soil maps have been reviewed for completeness, accuracy, and consistency.

Verification of Exact Cooperator Names:

For the front cover, general soil map, and half-title page:

United States Department of Agriculture
Soil Conservation Service
in Cooperation with
Illinois Agricultural Experiment Station

The cooperators to be listed on the inside of the front cover are the same as those on the front cover and in addition state: "It is part of the technical assistance provided to the Jo Daviess County Soil and Water Conservation District. Financial

assistance was made available by the Jo Daviess County Board and the Illinois Department of Agriculture. This soil survey is Illinois Agricultural Experiment Station Soil Report No. 145."

Disposition of Field Sheets:

The soil maps have been compiled at a scale of 1:15,840. The compiled maps, field sheets, names overlay, topographic maps, and all map materials have been delivered to the map finishing unit at the state office. Copies made from the compiled maps are in the Jo Daviess County field office and one copy is with the survey leader now in Cumberland County.

Prior Soil Survey Publication:

None

Instructions for Map Compilation and Map Finishing:

Map compilation has been completed by the survey staff and the compiled maps, all map compilation materials, and the field maps are currently with the map finishing unit in the Illinois state office. Map finishing will be done in the map finishing unit at the Illinois state office using the soil identification legend and symbols legend in this Correlation Memorandum.

Symbols for map finishing have been ordered and agree with the mapping unit symbols in this Correlation Memorandum.

Soil Survey Area: Jo Daviess County
State: Illinois

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

Date: Jan. 1990

| DESCRIPTION | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION | SYMBOL |
|--|--------|-----------------------------|--------|---|--------|
| CULTURAL FEATURES | | CULTURAL FEATURES (cont.) | | SPECIAL SYMBOLS FOR SOIL SURVEY | |
| BOUNDARIES | | | | SOIL DELINEATIONS AND SOIL SYMBOLS | |
| National, state, or province | | | | ESCARPMENTS | |
| County or parish | | | | 29C2 29D2 | |
| Reservation (national forest or park, state forest or park, and large airport) | | | | Bedrock (points down slope) | |
| Field sheet matchline & nestline | | | | Other than bedrock (points down slope) | |
| AD HOC BOUNDARY (label) | | | | SHORT STEEP SLOPE | |
| Small airport, airfield, park, oilfield, cemetery, or flood pool | | | | DEPRESSION OR SINK | |
| STATE COORDINATE TICK 1:890,000 FEET | | | | SOIL SAMPLE SITE (normally not shown) | |
| LAND DIVISION CORNERS (sections and land grants) | | WATER FEATURES | | MISCELLANEOUS | |
| ROAD EMBLEMS & DESIGNATIONS | | DRAINAGE | | Blowout | |
| Interstate | | Perennial, double line | | Clay spot | |
| Federal | | Perennial, single line | | Gravelly spot | |
| State | | Intermittent | | Gumbo, slick or scabby spot (sodic) | |
| | | Drainage end | | Dumps and other similar non soil areas | |
| | | Canals or ditches | | Rock outcrop (includes sandstone and shale) | |
| | | Drainage and/or irrigation | | Sandy spot | |
| | | | | Severely eroded spot | |
| | | | | Stony spot, very stony spot | |
| | | | | RECOMMENDED AD HOC SOIL SYMBOLS | |
| | | LAKES, PONDS AND RESERVOIRS | | Muck Spot | |
| | | Perennial | | Calcareous Spot | |
| | | | | Glacial Till Spot | |
| | | | | Hand Dug Mine | |
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SOIL SURVEY JO DAVIESS COUNTY, ILLINOIS
JANUARY 1990

PRIME FARMLAND

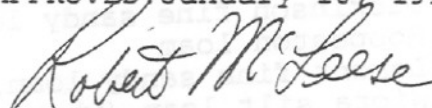
(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name)

| Map symbol | Soil name |
|---------------|---|
| 36B | Tama silt loam, 2 to 5 percent slopes |
| 41B | Muscatine silt loam, 1 to 3 percent slopes |
| 61B | Atterberry silt loam, 1 to 3 percent slopes |
| 68 | Sable silty clay loam (where drained) |
| 87A | Dickinson fine sandy loam, 0 to 3 percent slopes |
| 172 | Hoopeston loam |
| 175B | Lamont fine sandy loam, 1 to 7 percent slopes |
| 261 | Niota silt loam (where drained) |
| 274B2 | Seaton silt loam, 2 to 5 percent slopes, eroded |
| 278B | Stronghurst silt loam, 1 to 3 percent slopes |
| 279B | Rozetta silt loam, 2 to 5 percent slopes |
| 280B2 | Fayette silt loam, 2 to 5 percent slopes, eroded |
| 386B | Downs silt loam, 2 to 5 percent slopes |
| 419B2 | Flagg silt loam, 2 to 5 percent slopes, eroded |
| 429B2 | Palsgrove silt loam, 2 to 5 percent slopes, eroded |
| 565B | Tell silt loam, 2 to 5 percent slopes |
| 572B | Loran silty clay loam, 3 to 7 percent slopes |
| 731B | Nasset silt loam, 2 to 5 percent slopes |
| 732B | Appleriver silt loam, 2 to 5 percent slopes |
| 745B | Shullsburg silt loam, 3 to 7 percent slopes |
| 753B | Massbach silt loam, 2 to 5 percent slopes |
| 3077 | Huntsville silt loam, frequently flooded (where protected from flooding or not frequently flooded during the growing season) |
| 3333 | Wakeland silt loam, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season) |
| 3451 | Lawson silt loam, frequently flooded (where protected from flooding or not frequently flooded during the growing season) |
| 3579 | Beavercreek silt loam, frequently flooded (where protected from flooding or not frequently flooded during the growing season) |
| 7430B | Raddle silt loam, 1 to 4 percent slopes, rarely flooded |
| 8070 | Beaucoup silty clay loam, occasionally flooded (where drained) |

PRIME FARMLAND--Continued

| Map symbol | Soil name |
|---------------|--|
| 8239 | Dorchester silt loam, occasionally flooded |
| 8284 | Tice silt loam, occasionally flooded |
| 8415 | Orion silt loam, occasionally flooded |

APPROVED January 10, 1990

Robert L. McLeese
State Soil Scientist
Illinois State Office

CONVERSION LEGEND FOR
JO DAVIESS COUNTY, ILLINOIS

| Field symbol | Publication symbol | Field symbol | Publication symbol | Field symbol | Publication symbol | Field symbol | Publication symbol |
|--------------|--------------------|--------------|--------------------|--------------|--------------------|--------------|--------------------|
| PC-D2 | 681E | 75A | 274B2 | 175E | 274E2 | 278B | 278B |
| PC-E2 | 681E | 75B | 274B2 | 175E2 | 274E2 | 278C | 279C2 |
| V49 | 8366 | 76 | 3451 | 175F | 274F | 279A | 279B |
| V88 | 8366 | 77 | 3077 | 175G | 274F | 279B | 279B |
| V334 | 1334 | 81 | 3451 | 194C2 | 119C2 | 279C | 279C2 |
| W | W | 87A | 87A | 194C2 | 419C2 | 279C2 | 279C2 |
| 8D2 | 27D2 | 87B | 88B | 194D2 | 27D2 | 279D2 | 279D2 |
| 21D2 | 27D2 | 88B | 88B | 194E2 | 27D2 | 279E2 | 280E2 |
| 27C2 | 119C2 | 88D | 88D | 199B | 36B | 280B | 280B2 |
| 27D2 | 27D2 | 102 | 172 | 199B | 7430B | 280B2 | 280B2 |
| 29B | 29C2 | 103 | 8070 | 210 | 8070 | 280C | 280C2 |
| 29B | 429B2 | 104 | 61B | 212C | 419C2 | 280C2 | 280C2 |
| 29C2 | 29C2 | 105A | 386B | 233B | 279B | 280D | 280D2 |
| 29D | 29D2 | 105A | 7430B | 233C2 | 119C2 | 280D2 | 280D2 |
| 29D2 | 29D2 | 105B | 386B | 233D2 | 279D2 | 280E | 280E2 |
| 29E | 873E2 | 105B | 7430B | 234 | 261 | 280E2 | 280E2 |
| 29E2 | 873E2 | 105C2 | 386C2 | 239 | 8239 | 280F | 280F |
| 29F | 785G | 105E2 | 280E2 | 243B | 565B | 280F2 | 280E2 |
| 29G | 785G | 107 | 8070 | 243F | 280F | 280G | 280F |
| 36A | 36B | 107+ | 8070 | 259C2 | 119C2 | 284 | 8284 |
| 36B | 36B | 119C2 | 119C2 | 259D2 | 27D2 | 333 | 3333 |
| 36B2 | 36B | 119D2 | 27D2 | 261 | 261 | 334 | 1334 |
| 36C | 36C | 125 | 68 | 261B | 261 | 366 | 8366 |
| 36C2 | 386C2 | 131B | 175B | 262 | 261 | 386A | 386B |
| 37 | 7430B | 131F | 274F | 268B | 274B2 | 386B | 386B |
| 37A | 7430B | 134A | 565B | 268B | 7430B | 386C2 | 386C2 |
| 37B | 7430B | 134B | 565B | 272 | 68 | 386D2 | 279D2 |
| 40B | 540C2 | 134C2 | 565C2 | 274B | 274B2 | 386D2 | 280D2 |
| 40C2 | 540C2 | 134D2 | 565C2 | 274B2 | 274B2 | 403D | 403D |
| 40D2 | 29D2 | 134F | 274F | 274C | 274C2 | 411B | 731B |
| 41A | 41B | 134G | 274F | 274C2 | 274C2 | 411C2 | 731C2 |
| 41B | 41B | 148B | 565B | 274D | 274D2 | 411D2 | 731D2 |
| 45 | 68 | 171B2 | 36B | 274D2 | 274D2 | 415 | 8415 |
| 53D | 53D | 171C2 | 119C2 | 274E | 274E2 | 417B | 417B |
| 61A | 61B | 172 | 172 | 274E2 | 274E2 | 417C2 | 417C2 |
| 61B | 61B | 175A | 175B | 274F | 274F | 417D2 | 417D2 |
| 68 | 68 | 175B | 175B | 274F2 | 274E2 | 417E | 417E2 |
| 70 | 8070 | 175C | 175D2 | 274G | 274F | 417E2 | 417E2 |
| 70+ | 8070 | 175D | 175D2 | 278 | 278B | 417F | 417F |
| 74 | 3451 | 175D2 | 175D2 | 278A | 278B | 417F2 | 417E2 |

JO DAVIESS COUNTY, ILLINOIS --Continued

| Field symbol | Publi- cation symbol | Field symbol | Publi- cation symbol | Field symbol | Publi- cation symbol | Field symbol | Publi- cation symbol |
|-----------------|----------------------------|-----------------|----------------------------|-----------------|----------------------------|-----------------|----------------------------|
| 417G | 417F | 547E | 547E2 | 731D2 | 731D2 | 943C2 | 274C2 |
| 418B | 418B | 547E2 | 547E2 | 743B | 572B | 943D2 | 274D2 |
| 418C2 | 418C2 | 547F2 | 547E2 | 743B | 732B | 943E2 | 274E2 |
| 418D2 | 418D2 | 565A | 565B | 743C2 | 572B | 943F | 274F |
| 418E2 | 417E2 | 565B | 565B | 744 | 745B | 962D2 | 274D2 |
| 419B | 419B2 | 565C | 565C2 | 744C | 745B | 962D2 | 280D2 |
| 419B2 | 419B2 | 565C2 | 565C2 | 745A | 745B | 962E2 | 274E2 |
| 419C2 | 419C2 | 565D2 | 175D2 | 745B | 745B | 962E2 | 280E2 |
| 419D2 | 27D2 | 568 | 261 | 745C | 745B | 962F | 274F |
| 429B | 429B2 | 569C2 | 569C2 | 746 | 745B | 973E | 873E2 |
| 429B2 | 429B2 | 569F2 | 569F2 | 753A | 753B | 1334 | 1334 |
| 429C2 | 429C2 | 570A | 565B | 753B | 753B | 3077 | 3077 |
| 429D | 429D2 | 570B | 565B | 753C2 | 753C2 | 3333 | 3333 |
| 429D2 | 429D2 | 570C2 | 565C2 | 753D2 | 753D2 | 3451 | 3451 |
| 429E | 429E2 | 570D2 | 175D2 | 754F | 755F2 | 3579 | 3579 |
| 429E2 | 429E2 | 570E | 274E2 | 754G | 755F2 | 5700 | 175D2 |
| 429F | 280F | 570E2 | 274E2 | 755D2 | 547D2 | 6279D | 547D2 |
| 429F2 | 429E2 | 570F | 274E2 | 755E2 | 755F2 | 6280D | 547D2 |
| 429G | 280F | 570G | 274F | 755F2 | 755F2 | 6280E | 755F2 |
| 430 | 7430B | 571B | 172 | 768D | 53D | 6333 | 3333 |
| 430A | 7430B | 572A | 572B | 779B | 88B | 6547B | 732B |
| 430B | 7430B | 572B | 572B | 779B | 175B | 6973E | 905F |
| 440A | 7430B | 572C2 | 572B | 779D | 53D | 6973F | 905F |
| 440B | 7430B | 576 | 576 | 779E | 779F | 7430B | 7430B |
| 451 | 3451 | 576A | 576 | 779F | 779F | 8070 | 8070 |
| 504D | 403D | 576B | 569C2 | 779G | 779F | 8239 | 8239 |
| 504E | 785F | 576C | 569C2 | 785F | 785F | 8284 | 8284 |
| 504G | 785G | 576C2 | 569C2 | 785G | 785G | 8366 | 8366 |
| 505C2 | 873D2 | 576D2 | 569C2 | 800 | 800 | 8415 | 8415 |
| 505D2 | 873D2 | 576E | 569F2 | 801B | 801B | 33109 | 8239 |
| 505E2 | 873E2 | 576F | 569F2 | 864 | 864 | | |
| 536 | 536 | 578 | 3579 | 865 | 864 | | |
| 540C2 | 540C2 | 579 | 3579 | 873D2 | 873D2 | | |
| 546B | 753B | 647 | 172 | 873E2 | 873E2 | | |
| 546C | 753C2 | 681E | 681E | 873F2 | 873E2 | | |
| 546C2 | 753C2 | 726B | 565B | 905E | 905F | | |
| 546D2 | 753D2 | 726C | 565C2 | 905F | 905F | | |
| 547B | 732B | 726D | 175D2 | 907E2 | 755F2 | | |
| 547C2 | 547C2 | 731B | 731B | 907F | 755F2 | | |
| 547D2 | 547D2 | 731C2 | 731C2 | 928D2 | 928D2 | | |

LEGEND OF MAP UNITS ACCORDING TO ALPHABETICAL SEQUENCE
JO DAVIESS COUNTY, ILLINOIS

| MAP SYMBOL | MAPPING UNIT NAME |
|---------------|---|
| 8366 | ALGANSEE FINE SANDY LOAM, OCCASIONALLY FLOODED |
| 732B | APPLERIVER SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 61B | ATTERBERRY SILT LOAM, 1 TO 3 PERCENT SLOPES |
| 8070 | BEAUCOUP SILTY CLAY LOAM, OCCASIONALLY FLOODED |
| 3579 | BEAVERCREEK SILT LOAM, FREQUENTLY FLOODED |
| 1334 | BIRDS SILT LOAM, WET |
| 53D | BLOOMFIELD LOAMY FINE SAND, 7 TO 15 PERCENT SLOPES |
| 779F | CHELSEA LOAMY FINE SAND, 20 TO 45 PERCENT SLOPES |
| 417B | DERINDA SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 417C2 | DERINDA SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED |
| 417D2 | DERINDA SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED |
| 417E2 | DERINDA SILT LOAM, 15 TO 25 PERCENT SLOPES, ERODED |
| 417F | DERINDA SILT LOAM, 25 TO 45 PERCENT SLOPES |
| 87A | DICKINSON FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES |
| 8239 | DORCHESTER SILT LOAM, OCCASIONALLY FLOODED |
| 386B | DOWNS SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 386C2 | DOWNS SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED |
| 29C2 | DUBUQUE SILT LOAM, 4 TO 10 PERCENT SLOPES, ERODED |
| 29D2 | DUBUQUE SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED |
| 681E | DUBUQUE-ORTHENTS-FAYETTE COMPLEX, 12 TO 25 PERCENT SLOPES, PITTED |
| 536 | DUMPS, MINE |
| 873D2 | DUNBARTON-DUBUQUE SILT LOAMS, 7 TO 15 PERCENT SLOPES, ERODED |
| 873E2 | DUNBARTON-DUBUQUE SILT LOAMS, 15 TO 25 PERCENT SLOPES, ERODED |
| 119C2 | ELCO SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED |
| 547C2 | ELEROY SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED |
| 547D2 | ELEROY SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED |
| 547E2 | ELEROY SILT LOAM, 15 TO 25 PERCENT SLOPES, ERODED |
| 403D | ELIZABETH SILT LOAM, 7 TO 15 PERCENT SLOPES |

| MAP SYMBOL | MAPPING UNIT NAME |
|---------------|--|
| 280B2 | FAYETTE SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED |
| 280C2 | FAYETTE SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED |
| 280D2 | FAYETTE SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED |
| 280E2 | FAYETTE SILT LOAM, 15 TO 25 PERCENT SLOPES, ERODED |
| 280F | FAYETTE SILT LOAM, 25 TO 40 PERCENT SLOPES |
| 419B2 | FLAGG SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED |
| 419C2 | FLAGG SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED |
| 540C2 | FRANKVILLE SILT LOAM, 4 TO 10 PERCENT SLOPES, ERODED |
| 172 | HOOPESTON LOAM |
| 3077 | HUNTSVILLE SILT LOAM, FREQUENTLY FLOODED |
| 785F | LACRESCENT SILT LOAM, 15 TO 30 PERCENT SLOPES |
| 785G | LACRESCENT SILTY CLAY LOAM, 30 TO 50 PERCENT SLOPES |
| 755F2 | LAMOILLE SILT LOAM, 15 TO 30 PERCENT SLOPES, ERODED |
| 175B | LAMONT FINE SANDY LOAM, 1 TO 7 PERCENT SLOPES |
| 175D2 | LAMONT FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES, ERODED |
| 3451 | LAWSON SILT LOAM, FREQUENTLY FLOODED |
| 572B | LORAN SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES |
| 753B | MASSBACH SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 753C2 | MASSBACH SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED |
| 753D2 | MASSBACH SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED |
| 569C2 | MEDARY SILTY CLAY LOAM, 3 TO 12 PERCENT SLOPE, ERODED |
| 569F2 | MEDARY SILTY CLAY LOAM, 15 TO 45 PERCENT SLOPES, ERODED |
| 27D2 | MIAMI SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED |
| 41B | MUSCATINE SILT LOAM, 1 TO 3 PERCENT SLOPES |
| 731B | NASSET SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 731C2 | NASSET SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED |
| 731D2 | NASSET SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED |
| 905F | NEWGLARUS-LAMOILLE SILT LOAMS, 15 TO 35 PERCENT SLOPES, |
| 928D2 | NEWGLARUS-PALSGROVE SILT LOAMS, 7 TO 15 PERCENT SLOPES, ERODED |
| 261 | NIOTA SILT LOAM |
| 8415 | ORION SILT LOAM, OCCASIONALLY FLOODED |
| 801B | ORTHENTS SILTY, UNDULATING |

| MAP SYMBOL | MAPPING UNIT NAME |
|---------------|---|
| 429B2 | PALSGROVE SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED |
| 429C2 | PALSGROVE SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED |
| 429D2 | PALSGROVE SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED |
| 429E2 | PALSGROVE SILT LOAM, 15 TO 25 PERCENT SLOPES, ERODED |
| 864 | PITS, QUARRIES |
| 800 | PSAMMENTS, NEARLY LEVEL |
| 7430B | RADDLE SILT LOAM, 1 TO 4 PERCENT SLOPES, RARELY FLOODED |
| 279B | ROZETTA SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 279C2 | ROZETTA SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED |
| 279D2 | ROZETTA SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED |
| 68 | SABLE SILTY CLAY LOAM |
| 418B | SCHAPVILLE SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 418C2 | SCHAPVILLE SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED |
| 418D2 | SCHAPVILLE SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED |
| 274B2 | SEATON SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED |
| 274C2 | SEATON SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED |
| 274D2 | SEATON SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED |
| 274E2 | SEATON SILT LOAM, 15 TO 25 PERCENT SLOPES, ERODED |
| 274F | SEATON SILT LOAM, 25 TO 45 PERCENT SLOPES |
| 745B | SHULLSBURG SILT LOAM, 3 TO 7 PERCENT SLOPES |
| 88B | SPARTA LOAMY SAND, 1 TO 7 PERCENT SLOPES |
| 88D | SPARTA LOAMY SAND, 7 TO 15 PERCENT SLOPES |
| 278B | STRONGHURST SILT LOAM, 1 to 3 PERCENT SLOPES |
| 36B | TAMA SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 36C | TAMA SILT LOAM, 5 TO 10 PERCENT SLOPES |
| 565B | TELL SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 565C2 | TELL SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED |
| 8284 | TICE SILT LOAM, OCCASIONALLY FLOODED |
| 3333 | WAKELAND SILT LOAM, FREQUENTLY FLOODED |
| W | WATER |
| 576 | ZWINGLE SILT LOAM |

1. Laboratory Data from Illinois Agricultural Experiment Station for which SCS-SOI-8 forms have been prepared:

| Sampled As | Sample No. | Publication Map Symbol | Approved Classification |
|------------|--------------|---------------------------|---|
| Ashdale | 76IL-085-005 | 731C2 | Ashdale, included in map unit of Nasset. |
| Atterberry | 76IL-085-034 | 61B | Atterberry, typical pedon |
| Loran | 78IL-085-022 | 572 | Calamine, taxadjunct; fine-silty, mixed, mesic Typic Haplaquoll; mapped in Loran map unit. |
| Chelsea | 77IL-085-023 | 779F | Chelsea, slightly more fine and very fine sand than typical; lamella are deep in profile. |
| Denrock | 76IL-085-030 | 261 | Darwin, taxadjunct very-fine, montmorillonitic, mesic Typic Argiaquoll; mapped as inclusion in Niota. |
| Denny | 85IL-085-007 | 68 | Denny, taxadjunct, fine-silty, mixed, mesic Mollic Ochraqualf; mapped as inclusion in Sable. |
| Denny | 85IL-085-028 | 68 | Denny, taxadjunct, fine-silty, mixed, mesic Mollic Ochraqualf; mapped as inclusion in Sable. |
| Derinda | 77IL-085-045 | 417E2 | Derinda, taxadjunct fine-silty, mixed, mesic, Typic Hapludalf |
| Downs | 78IL-085-007 | 731B | Downs, included in map unit of Nasset. |
| Dunbarton | 78IL-085-032 | 873D2 | Dunbarton, typical pedon |
| Fayette | 76IL-085-004 | 280B2 | Fayette, typical pedon |
| Sparta | 76IL-085-010 | 88B | Finchford, mapped as inclusion in Sparta. |
| Flagg | 77IL-085-037 | 419B | Flagg, typical pedon; taxadjunct fine-silty, mixed, mesic Typic Paleudalf. |

| Sampled As | Sample No. | Publication Map Symbol | Approved Classification |
|------------|--------------|---------------------------|--|
| Gratiot | 76IL-085-033 | 745B | Gratiot, taxadjunct, clay content not in fine family, classifies as fine-silty, mixed, mesic Aquollic Hapludalf mapped as inclusion in Shullsburg map unit |
| Huntsville | 77IL-085-009 | 3077 | Huntsville, typical pedon |
| Dorchester | 78IL-085-028 | 8239 | Jules, mapped as inclusion in Dorchester. |
| Dorerton | 86IL-085-008 | 905E | Lamoille, map unit pedon |
| Dorerton | 86IL-085-013 | 907E2 | Lamoille, low content of coarse fragments in erosional sediments |
| Lamont | 77IL-085-002 | 175B | Lamont, typical pedon. |
| Morley | 77IL-085-038 | 27D2 | Morley, mapped as inclusion in Miami. |
| Muscatine | 76IL-085-028 | 41B | Muscatine, soil has maximum clay content in Bt horizon. |
| Nasset | 76IL-085-023 | 29C2 | Nasset, mapped as inclusion in Dubuque |
| NewGlarus | 86IL-085-017 | 928D2 | NewGlarus, pedon for map unit |
| Batavia | 77IL-085-045 | 386B | Plano, included in mapping unit of Downs |
| Raddle | 77IL-085-013 | 7430B | Raddle, sand content avg=16.6 in control section but was not fractionated; assume <15% coarser than very fine. |
| Rozetta | 76IL-085-002 | 279B | Rozetta, typical pedon. |
| Schapville | 78IL-085-010 | 418B | Schapville, typical pedon |
| Seaton | 70IL-085-016 | 274C2 | Seaton |
| Shullsburg | 78IL-085-021 | 745B | Shullsburg, typical pedon |
| Sparta | 76IL-085-006 | 88B | Sparta |
| Tama | 78IL-085-012 | 36B | Tama, typical pedon |

| Sampled As | Sample No. | Publication Map Symbol | Approved Classification |
|------------------|--------------|---------------------------|--|
| Tama | 78IL-085-013 | 36B | Tama |
| Tell | 77IL-085-003 | 565B | Tell, loamy substratum |
| Tell | 78IL-085-023 | 565B | Tell, typical pedon |
| Timula | 77IL-085-019 | 274E2 | Timula, taxadjunct (weak argillic) coarse-silty, mixed mesic, Typic Hapludalf; inclusion in 274E2 Seaton. |
| Timula | 77IL-085-042 | 280E2 | Timula, taxadjunct fine-silty mixed, mesic, Typic Eutrochrept; mapped as inclusion in Fayette. |
| Wakeland Variant | 78IL-085-025 | 801B | Wakeland, taxadjunct; fine-silty, mixed, nonacid, mesic aeric Fluvaquent; area has been disturbed and is mapped as Orthents. |

2. Laboratory Data from Illinois Department of Transportation for which SCS-SOI-10 forms have been prepared:

| Sampled As | Sample No. | Publication Map Symbol | Approved Classification |
|------------|--------------|---------------------------|----------------------------|
| Schapville | 78IL-085-010 | 418B | Schapville, typical pedon |
| Shullsburg | 78IL-085-021 | 745B | Shullsburg, typical pedon |

Notes to Accompany the
Classification and Correlation
of the Soils of
Jo Daviess County, Illinois
by John C. Doll and Robert I. Turner

In many series and mapping unit pedons the thickness of individual layers was not within the range of the official series description. The differences were only a matter of a few inches and did not effect the taxonomic placement of the soil or violate the series concept. Notes to this effect are omitted from the notes for individual series.

ALGANSEE SERIES

APPLERIVER SERIES

This series is established with this correlation. The soils were mapped and referred to during the survey as Eleroy Variant. These soils are morphologically similar to Eleroy soils except that they are somewhat poorly drained.

ATTERBERRY SERIES

BEAUCOUP SERIES

BEAVERCREEK SERIES

These soils are moderately well drained and are calcareous throughout. They are taxadjuncts that classify as loamy-skeletal, mixed, (calcareous), mesic Typic Udifluvents.

BIRDS SERIES

BLOOMFIELD SERIES

CHELSEA SERIES

DERINDA SERIES

DICKINSON SERIES

The Bw horizon is too sandy (loamy fine sand) in the lower part, but the depth to this texture is within the series concept.

DORCHESTER SERIES

DOWNES SERIES

These soils are on terraces. They have chroma of 3 in the lower part of the Bt horizon, and have mottles with chroma of 2 a little higher in the profile than defined for the series. Mapping unit 386B Downes silt loam, 2 to 5 percent slopes has chroma of 4 in the BE horizon.

DUBUQUE SERIES

These soils do not have a significant content of coarse fragments in the residuum and the manuscript tables will be adjusted. Also, the reaction is slightly higher than the series allows and the tables will be adjusted.

DUNBARTON SERIES

These soils have chroma 2 clay films in the residuum. The typical pedon in the county has PSD data that is slightly outside the clay ranges on the SIR and the tables will be adjusted to accommodate the data.

ELCO SERIES

ELEROY SERIES

ELIZABETH SERIES

This series is established with this correlation. The soils that formed in these materials on these landscapes in Illinois were previously mapped as taxadjuncts to the Sogn soils.

FAYETTE SERIES

These soils are not as acid in the most acid part of the profile as defined for the series. The tables will be adjusted. It is not uncommon for these soils to have bright mottles in the middle and lower parts of the profile. A "pitted" phase is established for a unique landscape where shallow, hand-dug lead mines have disturbed a significant portion of the land surface.

FLAGG SERIES

These soils do not have a 20 percent decrease in clay content below the argillic horizon and are taxadjuncts that classify as fine-silty, mixed, mesic Typic Paleudalfs. The tables will be adjusted to accommodate the higher clay content in the lower part of the profile. In mapping unit 419C2 Flagg silt loam, 5 to 10 percent slopes, eroded the reaction is higher (neutral) in the upper part of the Bt horizon than defined for the series. The tables will be adjusted.

FRANKVILLE SERIES

These soils are not as acid in the most acid part of the profile as defined for the series. They also have 2 chroma mottles in the lower part of the Bt horizon.

HOOPESTON SERIES

HUNTSVILLE SERIES

LACRESCENT SERIES

These soils are calcareous throughout and the tables will be adjusted.

LAMOILLE SERIES

These soils are on foot slopes. They have carbonates as shallow as 16 inches. Tables will be adjusted.

LAMONT SERIES

These soils are not as acid in the most acid part of the profile as defined for the series; tables will be adjusted. The Bt part of the EandBt horizon has more clay (fine sandy loam) than defined for the series; the tables will be adjusted.

LAWSON SERIES

LORAN SERIES

MASSBACH SERIES

MEDARY SERIES

These soils have a stratified layer below the lacustrine materials which is allowed in the series but is not recognized in the SIR. In mapping unit 569C2 Medary silty clay loam, 3 to 12 percent slopes, eroded the solum is thicker and the lacustrine materials are not as red as defined for the series.

MIAMI SERIES

These soils formed in Illinoisan till. They are correlated as Miami and not Hickory because the sola are thin and calcareous well above 40 inches which is definitive for the Miami series.

MUSCATINE SERIES

SEATON SERIES

These soils have bright mottles in the lower part of the profile. In mapping unit 274C2 Seaton silt loam, 5 to 10 percent slopes, eroded the soil is not as acid in the most acid part of the profile as defined for the series; the tables will be adjusted.

SHULLSBURG SERIES

The Bt1 horizon is silty clay loam.

SPARTA SERIES

STRONGHURST SERIES

TAMA SERIES

These soils are not as acid in the most acid part of the profile as defined for the series; tables will be adjusted.

TELL SERIES

These soils are on uplands and are described as being stratified in the 2C horizon but are probably banded with lamella. In mapping unit 565C2 Tell silt loam, 5 to 10 percent slopes, eroded the reaction is higher (neutral) throughout the control section than is defined for the series; tables will be adjusted.

TICE SERIES

These soils do not have good evidence of fluventic properties, an irregular decrease on OC is presumed and the soils are not considered taxadjuncts.

WAKELAND SERIES

ZWINGLE SERIES

These soils formed in both red and grey lacustrine sediments and some of the colors do not match those defined for the series.

SOIL SURVEY JO DAVIESS COUNTY, ILLINOIS
JANUARY 1990

CLASSIFICATION OF THE SOILS

(An asterisk in the first column indicates a taxadjunct to the series. See notes for a description of those characteristics of this taxadjunct that are outside the range of the series)

| Soil name | Family or higher taxonomic class |
|---------------|---|
| Algansee----- | Mixed, mesic Aquic Udipsamments |
| Appleriver--- | Fine-silty, mixed, mesic Aquic HapludalFs |
| Atterberry--- | Fine-silty, mixed, mesic Udollic Ochraqualfs |
| Beaucoup----- | Fine-silty, mixed, mesic Fluvaquentic Haplaquolls |
| *Beavercreek | Loamy-skeletal, mixed, nonacid, mesic Typic Udifuvents |
| Birds----- | Fine-silty, mixed, nonacid, mesic Typic Fluvaquents |
| Bloomfield--- | Sandy, mixed, mesic Psammentic HapludalFs |
| Chelsea----- | Mixed, mesic Alfic Udipsamments |
| Derinda----- | Fine, mixed, mesic Typic HapludalFs |
| Dickinson---- | Coarse-loamy, mixed, mesic Typic Hapludolls |
| Dorchester--- | Fine-silty, mixed (calcareous), mesic Typic Udifuvents |
| Downs----- | Fine-silty, mixed, mesic Mollic HapludalFs |
| Dubuque----- | Fine-silty, mixed, mesic Typic HapludalFs |
| Dunbarton---- | Clayey, montmorillonitic, mesic Lithic HapludalFs |
| Elco----- | Fine-silty, mixed, mesic Typic HapludalFs |
| Eleroy----- | Fine-silty, mixed, mesic Typic HapludalFs |
| Elizabeth---- | Loamy-skeletal, mixed, mesic Lithic Hapludolls |
| Fayette----- | Fine-silty, mixed, mesic Typic HapludalFs |
| *Flagg----- | Fine-silty, mixed, mesic Typic HapludalFs |
| Frankville--- | Fine-silty, mixed, mesic Mollic HapludalFs |
| Hoopeston---- | Coarse-loamy, mixed, mesic Aquic Hapludolls |
| Huntsville--- | Fine-silty, mixed, mesic Cumulic Hapludolls |
| Lacrescent--- | Loamy-skeletal, mixed, mesic Typic Hapludolls |
| Lamoille----- | Fine, mixed, mesic Typic HapludalFs |
| Lamont----- | Coarse-loamy, mixed, mesic Typic HapludalFs |
| Lawson----- | Fine-silty, mixed, mesic Cumulic Hapludolls |
| Loran----- | Fine-silty, mixed, mesic Aquic Argiudolls |
| Massbach----- | Fine-silty, mixed, mesic Mollic HapludalFs |
| Medary----- | Fine, mixed, mesic Typic HapludalFs |
| Miami----- | Fine-loamy, mixed, mesic Typic HapludalFs |
| Muscatine---- | Fine-silty, mixed, mesic Aquic Hapludolls |
| Nasset----- | Fine-silty, mixed, mesic Mollic HapludalFs |

SOIL SURVEY JO DAVIESS COUNTY, ILLINOIS
JANUARY 1990

CLASSIFICATION OF THE SOILS--Continued

| Soil name | Family or higher taxonomic class |
|----------------|--|
| NewGlarus---- | Fine-silty over clayey, mixed, mesic Typic Hapludalfs |
| Niota----- | Fine, mixed, mesic Mollic Albaqualfs |
| Orion----- | Coarse-silty, mixed, nonacid, mesic Aquic Udifluvents |
| Orthents----- | Fine-silty, mixed mesic Udorthents |
| *Palsgrove---- | Fine-silty, mixed, mesic Typic Hapludalfs |
| Psamments---- | Psamments |
| Raddle----- | Fine-silty, mixed, mesic Typic Hapludolls |
| Rozetta----- | Fine-silty, mixed, mesic Typic Hapludalfs |
| Sable----- | Fine-silty, mixed, mesic Typic Haplaquolls |
| *Schapville--- | Fine, mixed, mesic Typic Argiudolls |
| Seaton----- | Fine-silty, mixed, mesic Typic Hapludalfs |
| Shullsburg--- | Fine, mixed, mesic Aquic Argiudolls |
| Sparta----- | Sandy, mixed, mesic Entic Hapludolls |
| Stronghurst | Fine-silty, mixed, mesic Aeric Ochraqualfs |
| Tama----- | Fine-silty, mixed, mesic Typic Argiudolls |
| Tell----- | Fine-silty over sandy or sandy-skeletal, mixed, mesic Typic Hapludalfs |
| Tice----- | Fine-silty, mixed, mesic Fluvaquentic Hapludolls |
| Wakeland----- | Coarse-silty, mixed, nonacid, mesic Aeric Fluvaquents |
| Zwingle----- | Fine, montmorillonitic, mesic Typic Albaqualfs |